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of 28 species, and there are many excellent full-length text cuts of additional species. The book will have much interest as a popular account of a very attractive group of birds, and will be, of course, of special value to aviculturalists.—J. A. A.

**Shufeldt on the Osteology of the Steganopodes.**<sup>1</sup>—In a quarto memoir of over one hundred pages, illustrated with numerous text figures and ten half-tone plates, Dr. Shufeldt here presents at length the results of his studies of the osteology and relationships of the Steganopodes. He first summarizes the classifications proposed for the group by previous authors and their views as to the relationships of the several types composing the group, and then proceeds to a detailed comparative description of the osteology of *Phaethon*, *Sula*, *Anhinga*, *Phalacrocorax*, *Pelecanus*, and *Fregata*. He closes with some remarks on the classification of the several types composing the order, which he divides into three superfamilies (Pelecanoidea, Phaethontoidea, Fregatoidea), the first embracing the families Pelecanidae, Phalacrocoracidae, Anhingidae, and Sulidae, the others comprising each a single family, consisting respectively of the genera *Phaethon* and *Fregata*. Of the other families, each is also monotypic, as regards genera, except Phalacrocoracidae, to which are referred the two genera *Phalacrocorax* and *Nannopterum*. His arrangement thus agrees with Dr. Stejneger's, proposed in 1882, and followed in the A. O. U. Check-List.—J. A. A.

**Shufeldt on the Classification of Certain Groups of Birds.**<sup>2</sup>—The groups are the 'superorders' Archornithiformes (consisting of *Archaeopteryx*), the Dromæognathæ (comprising the Ostriches, Rheas, Emues, and Cassowaries, and the extinct Moas and the Roc (*Aepyornis*)), and the Odontoholcæ (the extinct Hesperornithidæ and *Ænaliornithidæ*). Extended quotations are given from Huxley, Forbes, the Parkers (W. K. and T. J.), Marsh, and others, from which sources a summary of the structural characters of the diverse members composing these groups is here presented. The superorder Archornithiformes equals the 'subclass' Saururæ of many recent authors; the superorder Dromæognathæ includes all the existing and extinct struthionine birds, and is divided into five 'sub-orders', as follows: Struthiornithe, Rheornithes, Casuariornithes, Dinornithes, and *Aepyornithes*. Each of these is treated at considerable length, their differential characters noted, and those of their constituent

<sup>1</sup> The Osteology of the Steganopodes. By R. W. Shufeldt, M. D. Memoirs of the Carnegie Museum. Vol. I, No. 3, 1903, pp. 109-223, pl. xxi-xxx, and 37 text figures.

<sup>2</sup> On the Classification of Certain Groups of Birds. (Superorders: Archornithiformes; Dromæognathæ; Odontoholcæ). By R. W. Shufeldt. Amer. Nat., Vol. XXXVII, Jan., 1903, pp. 33-64, and 2 half-tone plates.

families. The 'superorder' Odontoholcæ embraces the family Hesperornithidæ, of the Middle Cretaceous of Kansas and Colorado, and provisionally the Enaliornithidæ of the Upper Greensand. Both groups are considered as probably ancestral forms of the Pygopodes.—J. A. A.

**Publications Received.**—**Bangs**, Outram. (1) A New Race of the Carolina Chickadee from Southern Florida. (*Proc. N. Engl. Zoöl. Club*, IV, March, 1903, pp. 1, 2.) (2) A New Wren from San Miguel Island, Bay of Panama. (*Ibid.*, pp. 3, 4.) (3) The Louisiana Cardinal. (*Ibid.*, pp. 5-7.) (4) A New Race of *Vireosylvia josephæ* from Chiriqui. (*Ibid.*, pp. 9, 10.) (5) Stejneger's Catalogue of Birds thus far recorded from the Liu Kiu Islands, Japan, revised with additions to date. (*Ibid.*, Feb. 1903, pp. 93-97.) (6) Description of a New Thrush from Chiriqui. (*Ibid.*, pp. 91, 92.) (7) Description of a New Race of the Great Blue Heron from the Galapagos Islands. (*Ibid.*, pp. 99, 100.) (8) Description of a New Subspecies of *Manucus candei* (Parzud.). (*Ibid.*, pp. 105, 106.) (9) A New Race of *Scotothorus veraepacis* from Chiriqui. (*Ibid.*, pp. 103, 104.)

**Barrett-Hamilton**, G. E. H. On the Position occupied by the Legs of Birds during Flight. (*Zoölogist*, 1903, pp. 139-149; also separate, *repaged*.)

**Dutcher**, William. (1) Nighthawk (*Chordeiles virginianus*). (National Committee of Audubon Societies, Leaflet No. 1.) (2) The Mourning Dove (*Zenaidura carolinensis*). (*Ibid.*, No. 2.) (3) The Meadowlark. (*Ibid.*, No. 3.) (4) The Robin. (*Ibid.* No. 4.)

**Elrod**, Morton J. A Biological Reconnaissance in the Vicinity of Flathead Lake. (*Bull. University of Montana, Biolog. Ser.*, No. 3.)

**Finsch**, O. (1) Zur Catalogisirung der ornithologischen Abtheilung. X. *Indicatorinæ*. (Notes from the Leyden Museum, XXVIII, pp. 162-179.) (2) Ueber einen neuen Nashornvogel der Gattung *Penelopides* Reichb. (*Ibid.*, pp. 190-194.) (3) Ueber die Arten der Bucerotiden Gattung *Ortholophus* Grant. (*Ibid.*, pp. 195-205.) (4) Ueber zwei bisher verkannte Arten: *Pitta angolensis* Vieill. und *P. pulith* Fraser. (*Ibid.*, p. 206-212.)

**Fisher**, A. K. A Partial List of the Birds of Keam Canyon, Arizona. (*Condor*, V, No. 2, 1903, pp. 33-36.)

**Howe**, Reginald Heber, Jr. A List of the Birds of Florida. (*Contr. to N. Am. Orn.*, I, 1903, pp. 39-42.)

**Madarász**, Julius von. (1) Magyarország Madarai. 4to, pp. xxxiii + 606, pl. i-ix and many text cuts. Budapest: National Museum, 1899-1903. (2) Vorläufiges über einen neuen Rohrsänger (*Lusciniola mimica*).

**McGregor**, Richard C. (1) Notes on a small collection of Birds from the Island of Maui, Hawaii. (*Condor*, IV, 1902, pp. 59-62.) (2) A List of Birds collected in Norton Sound, Alaska. (*Ibid.*, 135-144.)

**Mearns**, Edgar A. (1) Description of a New Swallow from the Western United States. (*Proc. Biol. Soc. Wash.*, XV, 1902, pp. 31, 32.) (2) Feathers beside the Styx. (*Condor*, V, 1903, pp. 36-38.)

**Mearns**, Louis di Z. A List of the Birds observed on the Island of